

Please cancel claims 2 through 11, without prejudice.

Please add new claims 12 through 30 as follows:

~~--12.(New)~~ A process as in claim 1 wherein a 0.3% by weight solution of the hotmelt adhesive in water has an upper cloud point of at least 60°C.

~~Sub E~~ 13.(New) A process as in claim 1 wherein the hotmelt adhesive has a melt viscosity (Brookfield Thermocell, spindle 27) of 400 to 20,000 mPa.s at a temperature of 100 to 180°C.

~~B2~~ 14.(New) A process as in claim 1 wherein the hotmelt adhesive has an open time of at least 0.2 second.

15.(New) A process as in claim 1 wherein the hotmelt adhesive has a crystallinity (as measured by DSC) of at least about 20% of the value measured for polyethylene glycol with a molecular weight (M_n) of 6,000.

16.(New) A process as in claim 1 wherein a polyalkylene glycol with a molecular weight (M_n) of 1,000 to 100,000 is used as the hotmelt adhesive.

17.(New) A process as in claim 1 wherein the hotmelt adhesive is selected from the group consisting of nonionic polyurethanes with a molecular weight (M_n) of at least 2,000 and polyesters with a molecular weight of at least about 3,000.

Sub 18
18.(New) A process as in claim 17 wherein the hotmelt adhesive is a nonionic polyurethane that is a reaction product of at least one polyisocyanate with at least one polyalkylene glycol having a molecular weight of at least 1,550.

Sub 19
19.(New) A process comprising:
applying a hotmelt adhesive to at least a portion of a first substrate, the hot melt adhesive being selected from the group consisting of polyalkylene glycols having a molecular weight at least 1,000 and a solubility in water at 20°C of at least 3% by weight and nonionic polyurethanes having a molecular weight (M_n) of at least 2,000; and
contacting a second substrate with the hotmelt adhesive.

20.(New) A process as in claim 19 wherein a 0.3% by weight solution of the hotmelt adhesive in water has an upper cloud point of at least 60°C.

21.(New) A process as in claim 19 wherein the hotmelt adhesive has a melt viscosity (Brookfield Thermocell, spindle 27) of 400 to 20,000 mPa.s at a temperature of 100 to 180°C.

22.(New) A process as in claim 19 wherein the hotmelt adhesive has an open time of at least 0.2 second.

23.(New) A process as in claim 19 wherein the hotmelt adhesive has a crystallinity (as measured by DSC) of at least about 20% of the value measured for polyethylene glycol with a molecular weight (M_n) of 6,000.

24.(New) An at least two-ply hygiene paper made by the process of claim 19.

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25.(New) A moisture-tackifiable material made by the process of claim 19.

26.(New) A hygiene paper comprising:
a first layer of paper secured to a second layer of paper by a hotmelt adhesive selected from the group consisting of polyalkylene glycols having a molecular weight of at least 1,000 and a solubility in water at 20°C of at least 3% by weight and nonionic polyurethanes having a molecular weight (M_n) of at least 2,000.

27.(New) A hygiene paper as in claim 26 wherein a 0.3% by weight solution of the hotmelt adhesive in water has an upper cloud point of at least 60°C.

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28.(New) A hygiene paper as in claim 26 wherein the hotmelt adhesive has a melt viscosity (Brookfield Thermocell, spindle 27) of 400 to 20,000 mPa.s at a temperature of 100 to 180°C.